Original/Duplicate/ Triplicate

Contract Certificate

(For Other Works)

Sub-Division

No : 1st & Final
E.E. Dasarahalli

Date : .....

Bill Rece[illegible] No.....Dated .....Cash Book Voucher No. ..... Dated.....

Schedu[illegible]ctet No..... Head of Account:

Name of Work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03)

M.S.Venkatesh

Reference to Agreement No.

Work Order No: EE/DD/WO/303/2018-19 Dated:02-02-2019

JOB CODE : 014-18-000056, 014-18-000057, 014-18-000058, 014-18-000059 & 014-18-000060.

Certified that the measurements were taken by me on .....and recorded in pages of measurements Book No .....and that the work is satisfactorily executed.

Contractor **Officer – in – charge of work**

Certified that the measurements were checked by me on ..... and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Accountant II have been actually bought to the site of the work and contactor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items or finished work have been agreed upon. A normal agreement signed and executed by the contractor in recorded in the office.

f Memorandum of Payment JOB CODE : 014-18-000056, 57, 58, 59 & 60.

Sub-Division Officer

			Amount
1.	Total Value of work done or supplies made as per account within	--	
2.	Deduct amount to be held in reserve being.....percent Rs.	--	
3.	-do- Balance	--	
4.	Deduct Payments:		
	a) Amount of previous payment as in the Office Cash Book Voucher No. .....Dated.....S.D. No.		
	Amount adjusted towards cash advance recovery of		
	b) Payments cost store or other materials supplied.		
5.	Balance being unpaid value of work done held in reserve		
6.	Deduct cash advance made on the office Cash Book Voucher No. ..... dated.....less adjustments		
7.	Net amount due to or from contractor		
	Unadjusted items		
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.		

Contractor Signature

Received Rs. ..... (in words)

.....

.....by cash and by adjustment of

Payment as per memorandum

(In final settlement of all demand)

(For use in the office)

Witness:

1.

2.

Stamp

Signature of the Contractor

Date

Paid by me by Cheque No. ..... Dated.....

Cash Rs. ..... Dated.....

Initials of office making payment dated.....

Executive Engineer

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Name of Work : Improvements & asphalting roads at Manjunatha Nagara Tenginathot, Byraveshwaranagara, Sampangi Ramaiah Layout, main roads & cross roads of M.E.I Layout left Side, & Bagalagunte in Bagalagunte in Ward No:14 (5-Works) Package No. DZ 2017-18-(03)

Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
1	Removing B.S. slab of Drain and stacking.(page No 25., I.no.5.32 of KPWD S.R 2016-17)	Sqm	–	–	1647.90	**73.59**	121268.96	1647.90	121268.96	
2	Earthwork excavation by manulal means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / chapter 3 (P-141/19.1)	Cum	–	–	4089.84	**97.32**	398023.23	4089.84	398023.23	
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	–	–	59.76	**6269.11**	374642.01	59.76	374642.01	
4	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Sqm	–	–	1099.20	**1112.11**	1222431.31	1099.20	1222431.31	
5	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.	Cum	–	–	42.64	**4969.47**	211898.20	42.64	211898.20	
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2	Cum	–	–	87.63	**6457.82**	565898.77	87.63	565898.77	
7	KSRB 15.1.1 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials	Sqm	–	–	111.24	**115.13**	12807.06	111.24	12807.06	

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Sl. No	Description of Item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
8	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete.	Nos	–	–	5105.33	432.03	2205655.72	5105.33	2205655.72	
9	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8	Sqm	–	–	720.00	71.21	51271.20	720.00	51271.20	
10	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / Chapter 3	Sqm	–	–	5410.50	5.93	32084.27	5410.50	32084.27	
11	KSRRB M300-55. Construction of sub-grade and earthen shoulders with approved material Gravel/Murrum with all lifts & leads, transporting to site, spreading, grading to required slope and compacted to meet requirement of Table No. 300-2 complete as per specifications (including cost of earth, watering charges & compaction by vibratory roller) MORTH Specification No. 305	Sqm	–	–	811.58	392.86	318837.32	811.58	318837.32	
12	KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.	Cum	–	–	1281.01	1731.66	2218273.78	1281.01	2218273.78	
13	Providing, laying, spreading and compacting graded stones aggregate to Wet Mix Macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mix method of tipper to site,Laying in uniform layers with paver in subbase/base course on the well prepared surface and compacting with vibratory rollers to achive the desired density complete as per MORTH specification No. 406.etc with all lead and lifts and as per directions of the Engineer-in-charge(Item No: 20.18, Page No:157 of KPWD S.R2016-17)	Cum	–	–	1201.16	1979.72	2377960.48	1201.16	2377960.48	
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM, WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502	Sqm	–	–	5410.50	30.86	166968.03	5410.50	166968.03	

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Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	–	–	10508.40	**3.56**	37409.90	10508.40	37409.90	
16	KSRRB 3000 Filling Pot-holes and Patch Repairs with Bituminous Concrete, 40 mm KSRRB M3000-5. Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, applying tack coat on the sides and base of excavation at 2.5kg/10sqm as per clause 500.3, back filling the pot holes with hot bituminous material as per clause 500.4, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications MORTH Specification No. 3004.2	Sqm	–	–	521.39	**338.26**	176365.38	521.39	176365.38	
17	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Chapter 5	Cum	–	–	31837.80	**13.06**	415801.67	31837.80	415801.67	
18	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed Coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant, transporting the mixd material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, butexcluding cost of primer / tack coat including lead, lift and cost of all materials, labour, HOM of machineries complete as per specifications using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (50 mm to 75 mm) with 3.3 % VG-30 Bitumen	Cum	–	–	795.95	**6210.95**	4943605.65	795.95	4943605.65	
19	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-ll (30 mm to 45 mm) with6 % VG-30 BitumenMORTH Specification No. 509(Sl No. 21.22.6, Page 164)	Sqm	–	–	615.02	**15280.12**	9397579.40	615.02	9397579.40	
20	Add Plastic to Bituminous Concrete 8% of Bitumen	Nos	–	–	428.94	**30.23**	12966.81	428.94	12966.81	

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Sl. No	Description of item	Unit	Previous Measurement		Present Measurement			Total Up-to-date		Remarks
			Qty	Cost Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
21	Road marking with Hot Applied Thermoplastic Compound with reflectorising glass beads on bituminous surface:- Providing and laying of hot applied thermoplastic compound 2.5mm thick including reflectorising glass beads at 250 gms per sqm area,thickness of 2.5mm is exclusive of surface applied glass beads as per IRC 35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 Page no- 181., It-24.15 of KPWD S.R 2016-17	Sqm	–	–	760.28	**607.68**	462006.95	760.28	462006.95	
22	KSRRB M800-35. Providing and fixing of road stud 100x 100 mm, die- Nos cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS: 873 part 4:1973 complete as per specifications	Nos	–	–	725.00	**402.35**	291703.75	725.00	291703.75	
23	Refixing B.S. slab of Drain and pointing in C.M (1:3) (Page No.25., I NO.5.33 of KPWD S.R 2016-17)	Sqm	–	–	915.84	**90.20**	82608.77	915.84	82608.77	
24	Providing Precast slab of 100mm thick including cost of all materials, labour, curing, transportation, loading, unloading, etc., complete as per the direction of engineer in charge Data rate	Sqm	–	–	466.00	**2053.53**	956944.98	466.00	956944.98	
25	Lead charges for conveying the Exacavated earth including loading and unloading upto 10kms as per directions.	Cum			4089.84	**118.69**	485423.11	4089.84	485423.11	
	Grand Total						**27540436.71**		**27540436.71**	

1 Certified that work done satisfacotry
2 Certified that there are no dues from contractors towards this work.
3 Certified that Contractor removed all debries from site.

Assistant Engineer

Assistant Executive Engineer

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